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Michael D. Schroeder , David D. Clark , Jerome H. Saltzer
Proceedings of the sixth symposium on Operating systems principles
November 1977
> We describe a plan to create an auditable version of Multics. The engineering experiments of that plan are now complete. Type extension as a design discipline has been demonstrated feasible, even for the internal workings of an operating system, where many subtle intermodule dependencies were discovered and controlled. Insight was gained into several tradeoffs between kernel complexity and user semantics. The performance and size effects of this work are encouraging. We conclude that verifi ...

2 Guarded page tables on Mips R4600 or an exercise in   100%
architecture-dependent micro optimization
Jochen Liedtke , Kevin Elphinstone
ACM SIGOPS Operating Systems Review January 1996
Volume 30 Issue 1
> Guarded Page Tables implement huge sparsely occupied address spaces efficiently and have the advantages of multi-level tables (tree structure, hierarchy, sharing). We present an implementation guarded page tables on the R4600 processor. The paper describes both the architecture-dependent design process of the algorithms and the resulting tool box.

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Ram, P.; Perrizo, W.;
System Sciences, 1995. Vol. IV, Proceedings of the Twenty-Eighth
Hawaii International Conference on , 3-6 Jan 1995
Page(s): 253 -262 vol.3

[Abstract]   [PDF Full-Text (920 KB)] **IEEE CNF**

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2 **Performance analysis of re-configurable partitioned TLBs**
Channon, D.; Koch, D.;
System Sciences, 1997, Proceedings of the Thirtieth Hwaii
International Conference on , Volume: 5 , 7-10 Jan 1997
Page(s): 168 -177 vol.5

[Abstract]   [PDF Full-Text (972 KB)] **IEEE CNF**

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3 **Translation-lookaside buffer consistency**
Teller, P.J.;
Computer , Volume: 23 Issue: 6 , Jun 1990
Page(s): 26 -36

[Abstract]   [PDF Full-Text (1028 KB)] **IEEE JNL**

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